

MAPEGUARD UM 35

**UNCOUPLING, ANTI-FRACTURE,
WATERPROOFING MEMBRANE**



www.mapei.com

MAPEI





What is Mapeguard UM 35

Mapeguard UM 35 is the ideal solution to **solve issues related to difficult substrates**, while granting a successful installation of ceramics and stone material.

Mapeguard UM 35 is a membrane made from a layer of honeycomb HDPE with a rough surface and polypropylene fabric backing.

The special shape of its embosses creates an excellent mechanical grip to the adhesive and forms a particularly strong bond between the ceramic or stone tiles and **Mapeguard UM 35**.

Uncoupling, anti-fracture, waterproofing membrane

For cracked or not fully cured substrates, to install ceramic tiles or stone material both in interior and exterior, **without having to copy the layout of control joints** and expansion joints.

Where to use



New residential buildings and residential buildings being renovated



Commercial settings



Hospitals



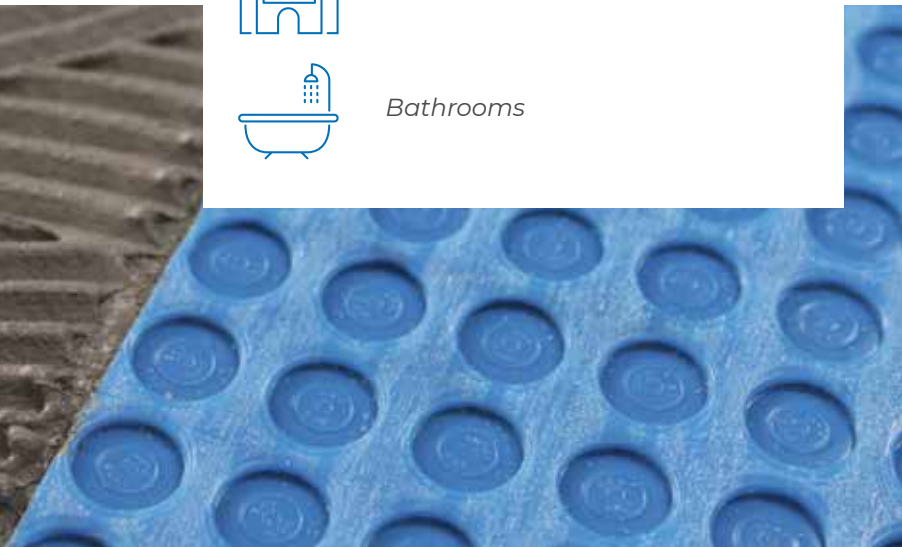
Hotels



Balconies and terraces



Bathrooms





Advantages of the system



Crack control

It acts as an uncoupling element, preventing the transmission of substrate cracks to the flooring.



Vapour control

Thanks to the air channels on the back of **Mapeguard UM 35**, the moisture in the underlying layers can evaporate.



Even heat distribution

When applied on heated screeds or compact heated screeds, **Mapeguard UM 35** guarantees that heat is distributed more evenly.



Waterproofing properties

It protects substrates from infiltrations of water, increasing their durability.



Mechanical properties

Mapeguard UM 35 allows the distribution of stresses also on floorings subject to heavy loads; it is certified as Extra Heavy Commercial Rating according to TCNA test reports complying with ASTM C 627.



Transparency

Mapeguard UM 35 is semi-transparent and this allows to verify the correct distribution of the adhesive underneath, as well as to easily locate the presence of potential elements passing through surfaces.



Application of the membrane as an uncoupling and anti-fracture layer in internal surroundings



- 1 Concrete substrate
- 2 Damp proofing barrier
- 3 **Topcem Pronto** cementitious screed
- 4 **Mapei** adhesive (at least C2 class)
- 5 **Mapeguard UM 35** uncoupling anti-fracture membrane
- 6 **Mapei** adhesive (at least C2 class) to be chosen according to the flooring
- 7 Porcelain tiles
- 8 **Ultracolor Plus** grout



Application of the **membrane**

1



Unroll the membrane and cut it to the shape and size of the area.

2



Spread the adhesive over the surface of the substrate with a 5 notches trowel.

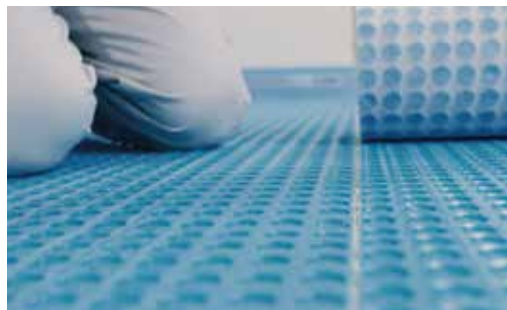
3



Lay **Mapeguard UM 35** membrane over the adhesive while it is still wet.

Application phases

4



Apply **Mapeguard UM 35** rolls leaving a 3-5 mm gap between the sheets.

5



Go over the membrane with a float or roller and press it down (maximum 35 kg).

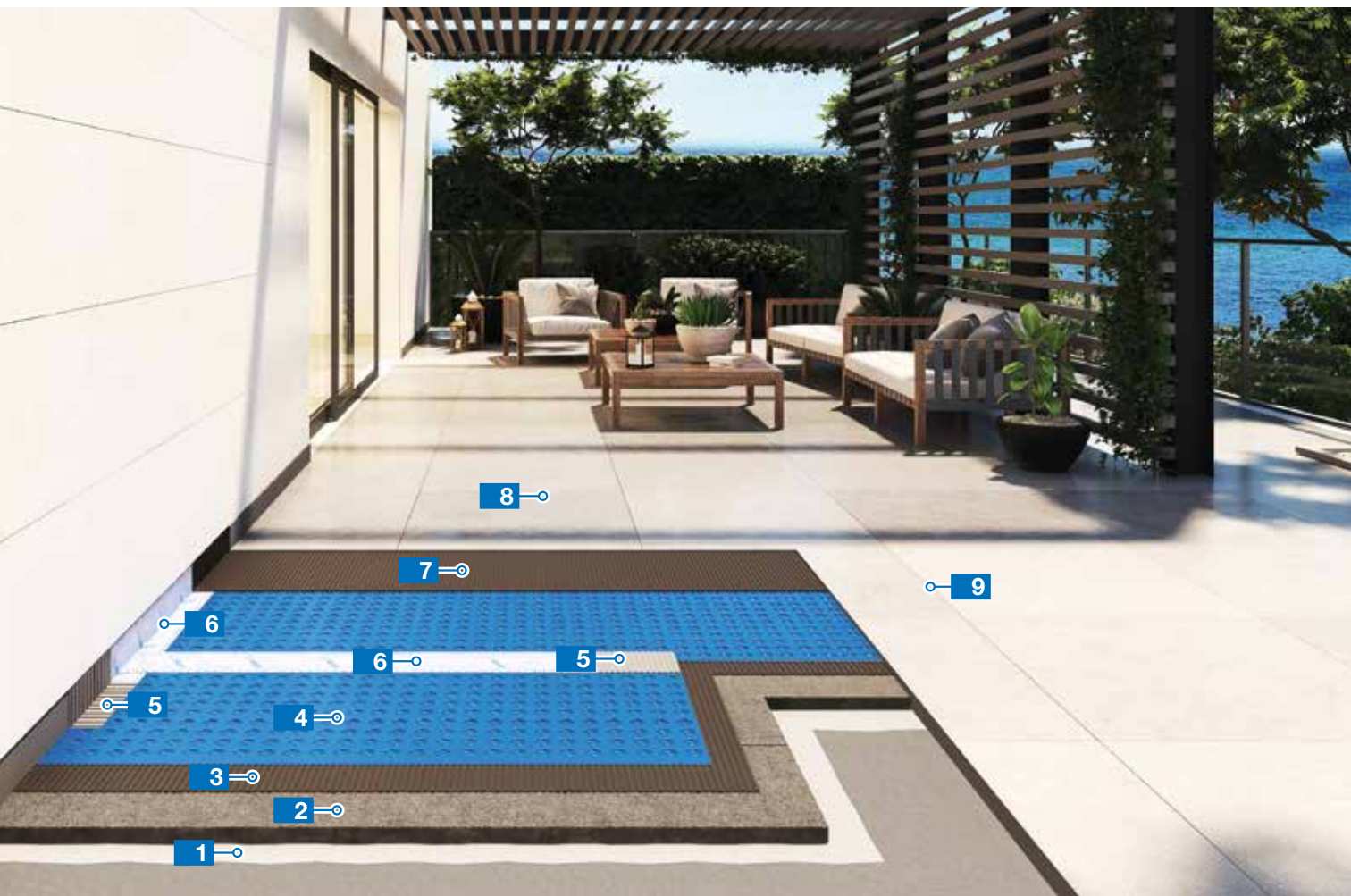
6



Install ceramic or stone tiles with a **Mapei** suitable adhesive of at least C2 class.



Application of the membrane as an uncoupling, anti-fracture and waterproofing layer



- 1** Damp proofing barrier
- 2** **Topcem Pronto** cementitious screed
- 3** Mapei adhesive (at least C2 class)
- 4** **Mapeguard UM 35** waterproofing uncoupling anti-fracture membrane
- 5** **Mapeguard WP Adhesive** adhesive
- 6** **Mapeband Easy** waterproofing rubber tape
- 7** Mapei adhesive (at least C2 class) to be chosen according to the flooring
- 8** Porcelain tiles
- 9** **Ultracolor Plus** grout



Application of the **membrane**

1



Unroll the membrane and cut it to measure.

2



Spread the adhesive over the surface of the substrate with a 5 mm notches trowel.

3



Lay **Mapeguard UM 35** membrane over the adhesive while it is still wet.

Application phases

4



Go over the membrane with a float or roller and press it down (maximum 35 kg).

5



Perimetrically waterproof with **Mapeband Easy**, bonded with **Mapeguard WP Adhesive** (3 mm notches trowel).

6



Waterproof joints between adjacent sheets with **Mapeband Easy**, bonded with **Mapeguard WP Adhesive** (3 mm notches trowel).



Application of the **membrane**

7



Waterproof drains with **Drain Vertical/Drain Lateral**.

8



Waterproof drains with **Drain Front**.

9



Install ceramic or stone tiles with a suitable **Mapei** adhesive of at least C2 class.

EVERYTHING'S OK WITH MAPEI

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